## Intermediate rate applications of punctured convolutional codes for 8PSK trellis modulation over satellite channels

Publication number: TW435009 (B)
Publication date: 2001-05-16

Publication date: Inventor(s):

SCHMIDT MARK [US]

Applicant(s):

GEN INSTRUMENT CORP [US]

Classification:

- international:

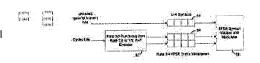
H04L27/18; H03M13/00; H03M13/23; H03M13/25; H04L1/00;

H04L27/18; H03M13/00; H04L1/00; (IPC1-7): H03M13/02 H04L1/00B7R1P; H03M13/00H; H03M13/23; H03M13/25T

Application number: TW19980121937 19981231 Priority number(s): US19980008976 19980120

## Abstract of TW 435009 (B)

A method and apparatus are provided for convolutionally encoding digital data with a rate 5/8 convolutional code. A standard rate1/2 convolutional code is punctured to rate 5/8 using a puncture map of {11111, 11100} and octal generators 133, 171 wherein the constraint length K=7. An incoming data stream is processed using the rate 5/8 code. In another embodiment, a rate 1/3 convolutional code is punctured to rate 5/8 using a puncture map of {00000, 11101, 11110} and octal generators 117, 135, 161 wherein the constraint length K=7.



Also published as:

🔼 US5909454 (A)

🔼 CA2258351 (A1)

CA2258351 (C)

JP11289259 (A)

N1241845 (A)

more >>

Data supplied from the esp@cenet database — Worldwide